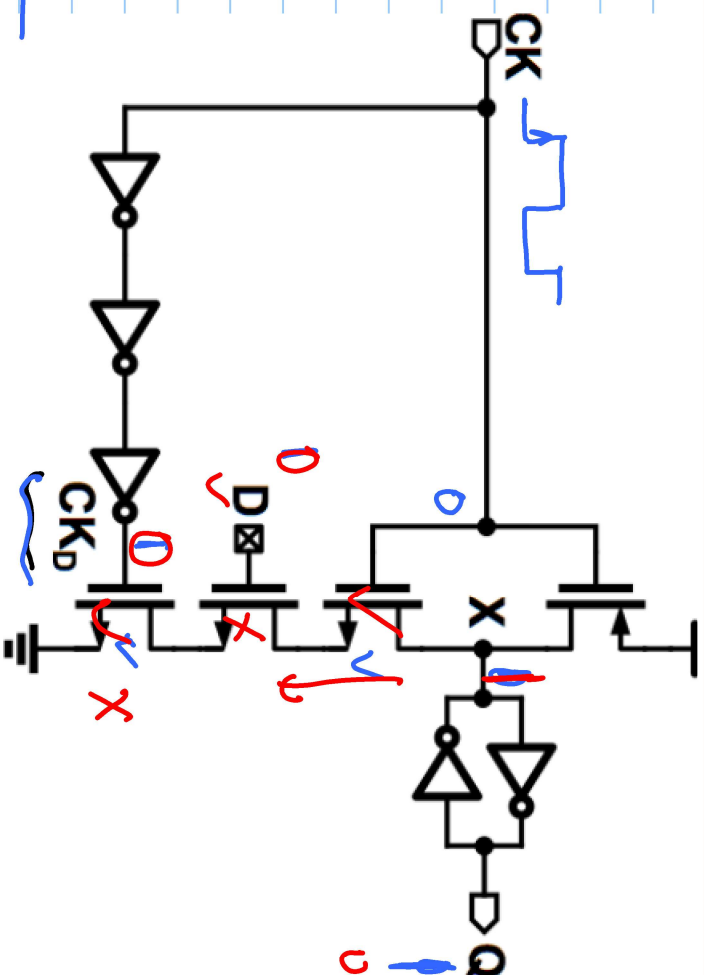
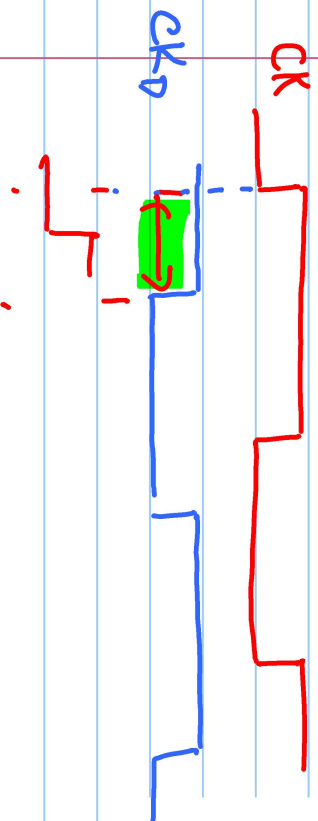
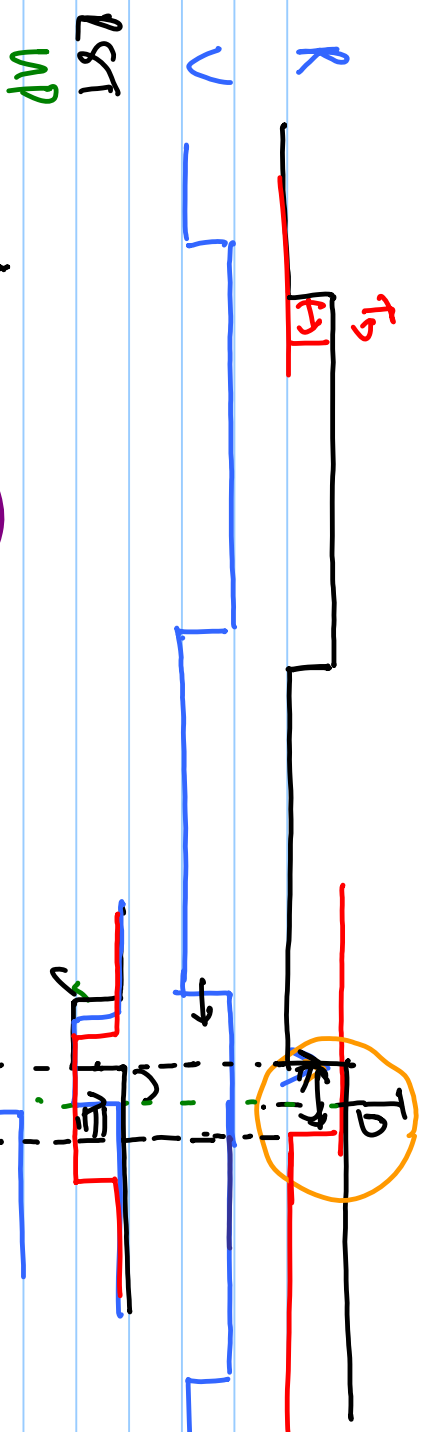


lecture # 36

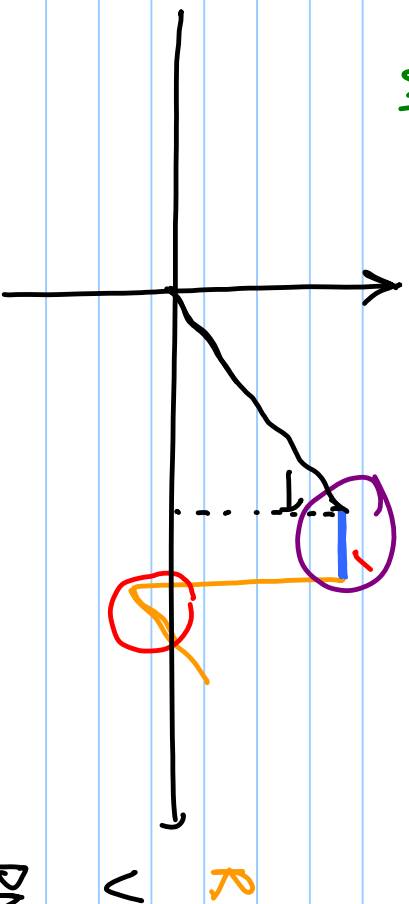
PFDs

- D-flip flop PFD
- NAND based PFD
- Pass-transistor based PFD ✓
- Gailch-latch based PFD





I_{ST}
 NP



R
 DN
 I_{ST}

$$I_{ST} < I_0$$

